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# PORIFERA

COMPILED BY

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\* Obtainable only from the Commonwealth Institute of Entomology, 56, Queen's Gate, London, S.W.7.

# 3. PORIFERA

BY

M. BURTON, D.Sc.

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Bell, W. G. *see* Okulitch, V. J.

1.—Bergman, W. and Burke, D. C. Contributions to the study of marine products. XXXIX. The nucleosides of sponges. III. Spongothymidine and spongouridine. *J. org. Chem.* **20** 1955 : 1501–1507 2 figs.

Burke, D. C. *see* Bergmann, W.

2.—Carmin, J. Some additional notes on the fauna of the tidal zone of our Mediterranean and Red Sea. *Bull. independent biol. Lab. Kefar-Malal* **11** (1) 68 1955 : 1–4.

Dalton, A. J. *see* Gatenby, J. B.

3.—de Laubenfels, M. W. Sponges of Onotoa. *Pacific Science* **9** (2) 1955 : 137–143.

Felix, M. D. *see* Gatenby, J. B.

4.—Finks, R. M. *Conularia* in a sponge from the west Texas Permian. *J. Paleont.* **29** 1955 : 831–836 pl. 82.

5.—Gatenby, J. B., Dalton, A. J. and Felix, M. D. The contractile vacuole of Parazoa and Protozoa, and the Golgi apparatus. *Nature, Lond.* **176** 1955 : 301.

6.—Geyer, O. F. Über quergeringete Spiculae (Silicispongia) aus dem schwäbischen Malm. *Neues Jb. Geol. Paläont. B.* **9** 1955 : 391–395 text-figs. 1–2.

7.—Graham, A. Molluscan diets. *Proc. malac. Soc. Lond.* **31** 1955 : 144–159.

8.—Hartman, W. D. A collection of sponges from the west coast of the Yucatan peninsula, with descriptions of of two new species. *Bull. Mar. Sci. Gulf and Caribbean* **5** (3) 1955 : 161–189, 10 figs.

9.—Hayasaka, I. Zwei Spezies der Oberkretazischen Kieselschwämme aus Hokkaido, Japan. *J. Fac. Sci. Hokkaido Univ. Geol.* (4) **9** (1) 1955 : 25–30 pls. 2–3.

10.—Howell, B. F. and Richards, H. G. Notes on two sponges from the Tertiary of New Jersey and South Carolina. *Notul. nat., Philad.* **283** 1955 : 1–3 4 figs.

11.—Jones, W. C. Crystalline properties of spicules of *Leucosolenia complicata*. *Quart. J. micr. Sci.* **96** 1955 : 129–149, 3 pls. (figs. 1, 2, 4) 6 text-figs.

12.—Jones, W. C. The sheath of spicules of *Leucosolenia complicata*. *Quart. J. micr. Sci.* **96** 1955 : 411–421, 2 pls.

13.—Okulitch, V. J. and Bell, W. G. *Gallatinospongia*, a new siliceous sponge from the Upper Cambrian of Wyoming. *J. Paleont.* **29** 1955 : 460–461 pls. 48–49.

14.—Rasmont, R. La gemmulation des Spongillides (II) Modalités de la diapause gemmulaire. *Bull. Acad. Belg. Cl. Sci.* (5) **41** 1955 : 214–223.

Richards, H. G. *see* Howell, B. F.

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*Leucosolenia complicata* spicule structure, JONES 11–12.

## “ FRESHWATER ”

(Vacant)

## HEXACTINELLIDA

†*Stereochlamis lymani* sp. n. Cretaceous Japan, HAYASAKA J. Fac. Sci. Hokkaido Univ. Geol. (4) 9 (1): 28 pl. iii figs. 1–3.†*Guadalupia* association with a *Conularia*, FINKS 4.

## TETRAXONIDA

(i) HOMOSCLEROPHORA  
(Vacant)(ii) STREPTASTROSCLEROPHORA  
(Vacant)(iii) ASTROSCLEROPHORA  
(Vacant)(iv) LITHISTIDA  
(Vacant)

(v) SIGMATOSCLEROPHORA

*Azinella nanaspiculata* sp. n. Gulf of Mexico, HARTMAN Bull. mar. Sci. Gulf and Caribbean 5 (3): 180, figs. 5, 7, 10.*Callyspongia strongylophora* sp. n. Gulf of Mexico, HARTMAN Bull. mar. Sci. Gulf and Caribbean 5 (3) 1 168, figs. 1–2, 3, 6.*Onotoa* gen. n., *amphiastra* sp. n. Gilbert Islands, DE LAUBENFELS Pacific Science 9 (2) 1955: 140 fig. 1.†*Renierites caucawensis* sp. n., HOWELL & RICHARDS Notul. nat., Philad. 283 1955: 2 figs. 3–4.

## TETRAXONIDA INCERTAE SEDIS

†*Gallatinospongia* gen. n., *conica* sp. n., Cambrian U.S.A., OKULITCH & BELL J. Paleont. 29: 461 pl. 48, figs. 1–3, pl. 49, figs. 1–3.

## KERATOSA

(Vacant)

## †CYATHOSPONGIA

(Vacant)